

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Total Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN8: Among students who rode a bicycle during the past 12 months, the percentage who never or rarely wore a bicycle helmet								
83.4	82.3	83.8	82.7	81.2	80.1	Decreased, 2003-2013	No quadratic change	No change
QN9: Percentage of students who never or rarely wore a seat belt when riding in a car driven by someone else								
17.8	13.9	14.2	13.1	11.2	10.1	Decreased, 2003-2013	No quadratic change	No change
QN10: Percentage of students who rode one or more times during the past 30 days in a car or other vehicle driven by someone who had been drinking alcohol								
36.9	34.4	32.9	28.8	26.1	24.5	Decreased, 2003-2013	No quadratic change	No change
QN13: Percentage of students who carried a weapon such as a gun, knife, or club on one or more of the past 30 days								
19.4	21.4	22.1	23.0	23.5	25.7	Increased, 2003-2013	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

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Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN14: Percentage of students who carried a gun on one or more of the past 30 days								
8.7	9.0	7.8	9.2	9.0	10.5	Increased, 2003-2013	No quadratic change	No change
QN15: Percentage of students who carried a weapon such as a gun, knife, or club on school property on one or more of the past 30 days								
7.2	10.2	9.7	7.9	9.3	9.9	Increased, 2003-2013	No quadratic change	No change
QN16: Percentage of students who did not go to school on one or more of the past 30 days because they felt they would be unsafe at school or on their way to or from school								
3.4	4.2	4.2	5.2	4.2	8.8	Increased, 2003-2013	No change, 2003-2009 Increased, 2009-2013	Increased
QN17: Percentage of students who had been threatened or injured with a weapon such as a gun, knife, or club on school property one or more times during the past 12 months								
7.1	8.0	7.0	7.4	7.5	6.3	No linear change	No quadratic change	No change
QN18: Percentage of students who were in a physical fight one or more times during the past 12 months								
28.6	30.5	32.8	31.7	25.4	22.8	Decreased, 2003-2013	Increased, 2003-2007 Decreased, 2007-2013	Decreased

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Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN19: Percentage of students who were in a physical fight one or more times during the past 12 months in which they were injured and had to be treated by a doctor or nurse								
3.4	3.6	3.7	4.9	2.7	2.3	Decreased, 2003-2013	No change, 2003-2009 Decreased, 2009-2013	No change
QN20: Percentage of students who were in a physical fight on school property one or more times during the past 12 months								
10.3	10.9	12.0	10.8	9.1	7.3	Decreased, 2003-2013	No change, 2003-2007 Decreased, 2007-2013	Decreased
QN21: Percentage of students who had ever been physically forced to have sexual intercourse when they did not want to								
9.8	10.2	8.8	9.2	9.8	8.7	No linear change	No quadratic change	No change
QN24: Percentage of students who had ever been bullied on school property during the past 12 months								
			23.1	26.0	26.3	Increased, 2009-2013	Not available [§]	No change
QN25: Percentage of students who had ever been electronically bullied during the past 12 months								
				19.2	18.1	No linear change	Not available	No change

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§Not enough years of data to calculate.

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Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN26: Percentage of students who felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities during the past 12 months								
26.4	25.6	25.8	27.3	25.2	26.4	No linear change	No quadratic change	No change
QN27: Percentage of students who seriously considered attempting suicide during the past 12 months								
18.9	17.5	15.1	17.4	15.2	16.8	Decreased, 2003-2013	Decreased, 2003-2007 No change, 2007-2013	No change
QN28: Percentage of students who made a plan about how they would attempt suicide during the past 12 months								
14.8	14.6	13.2	13.4	12.3	13.6	Decreased, 2003-2013	No quadratic change	No change
QN29: Percentage of students who actually attempted suicide one or more times during the past 12 months								
9.7	10.3	7.9	7.7	6.5	7.9	Decreased, 2003-2013	No quadratic change	No change
QN30: Percentage of students who made a suicide attempt during the past 12 months that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse								
3.0	3.1	2.7	2.8	2.4	2.6	No linear change	No quadratic change	No change

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2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Total Tobacco Use	Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
	2003	2005	2007	2009	2011	2013			
QN31: Percentage of students who ever tried cigarette smoking, even one or two puffs									
61.0	55.4	52.1	50.0	44.0	41.1	Decreased, 2003-2013	No quadratic change	No change	
QN32: Percentage of students who smoked a whole cigarette for the first time before age 13 years									
20.7	17.6	14.7	12.3	11.1	9.8	Decreased, 2003-2013	No quadratic change	No change	
QN33: Percentage of students who smoked cigarettes on one or more of the past 30 days									
22.9	20.1	20.0	18.7	16.5	15.2	Decreased, 2003-2013	No quadratic change	No change	
QNFRSIG: Percentage of students who smoked cigarettes on 20 or more of the past 30 days									
10.8	8.8	8.1	7.9	6.4	5.5	Decreased, 2003-2013	No quadratic change	No change	
QN34: Among students who reported current cigarette use, the percentage who smoked more than 10 cigarettes per day on the days they smoked during the past 30 days									
10.8	7.7	7.7	4.0	6.9	5.7	Decreased, 2003-2013	No quadratic change	No change	

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Total Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN35: Among students who were less than 18 years of age and who reported current cigarette use, the percentage who usually got their own cigarettes by buying them in a store or gas station during the past 30 days								
10.1	9.3	9.3	7.5	9.0	8.8	No linear change	No quadratic change	No change
QN36: Percentage of students who smoked cigarettes on school property on one or more of the past 30 days								
7.7	7.0	6.2	5.4	4.3	3.7	Decreased, 2003-2013	No quadratic change	No change
QN37: Percentage of students who ever smoked cigarettes daily, that is, at least one cigarette every day for 30 days								
17.3	15.2	12.9	13.5	11.4	9.2	Decreased, 2003-2013	No quadratic change	No change
QN38: Among students who reported current cigarette use, the percentage who ever tried to quit smoking cigarettes during the past 12 months								
60.9	60.4	55.0	54.6	56.2	52.6	Decreased, 2003-2013	No quadratic change	No change
QN39: Percentage of students who used chewing tobacco, snuff, or dip on one or more of the past 30 days								
13.2	14.8	12.9	14.6	13.5	13.4	No linear change	No quadratic change	No change

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Total Tobacco Use	Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
	2003	2005	2007	2009	2011	2013			
QN40: Percentage of students who smoked cigars, cigarillos, or little cigars on one or more of the past 30 days									
	14.1	17.6	15.5	17.8	16.1	15.8	No linear change	Increased, 2003-2009 No change, 2009-2013	No change
QNANYTOB: Percentage of students who smoked cigarettes or cigars or used chewing tobacco, snuff, or dip on one or more of the past 30 days									
	30.9	31.4	30.0	31.3	27.3	26.7	Decreased, 2003-2013	No quadratic change	No change

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Total Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN41: Percentage of students who had at least one drink of alcohol on one or more days during their life								
81.1	77.8	77.8	75.7	72.8	70.5	Decreased, 2003-2013	No quadratic change	No change
QN42: Percentage of students who had their first drink of alcohol other than a few sips before age 13 years								
30.4	27.8	25.9	24.0	21.4	19.9	Decreased, 2003-2013	No quadratic change	No change
QN43: Percentage of students who had at least one drink of alcohol on one or more of the past 30 days								
49.5	48.6	46.5	42.8	38.3	37.1	Decreased, 2003-2013	No quadratic change	No change
QN44: Percentage of students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days								
37.3	34.4	32.7	30.1	25.2	23.5	Decreased, 2003-2013	No quadratic change	No change
QN46: Among students who reported current alcohol use, the percentage who usually got the alcohol they drank from someone who gave it to them during the past 30 days								
		38.9	37.9	34.1	36.3	No linear change	Not available [§]	No change

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Total Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN47: Percentage of students who used marijuana one or more times during their life								
43.9	41.7	39.1	42.2	39.2	37.6	Decreased, 2003-2013	No quadratic change	No change
QN48: Percentage of students who tried marijuana for the first time before age 13 years								
11.0	11.2	9.5	9.7	8.0	7.9	Decreased, 2003-2013	No quadratic change	No change
QN49: Percentage of students who used marijuana one or more times during the past 30 days								
23.1	22.3	21.0	23.1	21.2	21.0	No linear change	No quadratic change	No change
QN50: Percentage of students who used any form of cocaine, including powder, crack, or freebase one or more times during their life								
8.7	9.5	8.3	7.2	6.1	6.4	Decreased, 2003-2013	No quadratic change	No change
QN51: Percentage of students who sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times during their life								
13.8	15.4	16.2	14.2	11.6	9.9	Decreased, 2003-2013	Increased, 2003-2007 Decreased, 2007-2013	No change

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Total Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN52: Percentage of students who used heroin one or more times during their life								
3.2	3.6	2.5	3.0	2.6	2.6	Decreased, 2003-2013	No quadratic change	No change
QN53: Percentage of students who used methamphetamines one or more times during their life								
9.3	8.3	4.6	3.1	3.1	3.6	Decreased, 2003-2013	Decreased, 2003-2009 No change, 2009-2013	No change
QN54: Percentage of students who used ecstasy one or more times during their life								
6.1	6.3	6.0	7.3	8.2	8.2	Increased, 2003-2013	No quadratic change	No change
QN55: Percentage of students who took steroid pills or shots without a doctor's prescription one or more times during their life								
4.7	4.4	2.8	3.9	2.9	2.6	Decreased, 2003-2013	No quadratic change	No change
QN56: Percentage of students who have taken a prescription drug (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax) without a doctor's prescription one or more times during their life								
				18.4	16.2	Decreased, 2011-2013	Not available [§]	Decreased

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Total Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN57: Percentage of students who used a needle to inject any illegal drug into their body one or more times during their life								
2.6	3.6	2.0	3.7	2.0	2.4	No linear change	No quadratic change	No change
QN58: Percentage of students who were offered, sold, or given an illegal drug by someone on school property during the past 12 months								
26.9	25.3	24.9	20.7	25.2	22.8	Decreased, 2003-2013	No quadratic change	Decreased

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Total Sexual Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN59: Percentage of students who ever had sexual intercourse						Increased, 2003-2013	No quadratic change	No change
43.6	43.6	45.7	47.6	47.9	46.0			
QN60: Percentage of students who had sexual intercourse for the first time before age 13 years						Decreased, 2003-2013	No quadratic change	No change
5.9	5.1	5.1	5.7	4.4	4.3			
QN61: Percentage of students who had sexual intercourse with four or more people during their life						No linear change	No quadratic change	No change
14.0	13.1	13.7	16.0	15.0	14.7			
QN62: Percentage of students who had sexual intercourse with one or more people during the past three months						Increased, 2003-2013	No quadratic change	No change
29.9	31.2	31.2	32.2	34.7	34.1			
QN63: Among students who had sexual intercourse during the past three months, the percentage who drank alcohol or used drugs before last sexual intercourse						Decreased, 2003-2013	No quadratic change	No change
33.7	29.4	26.0	25.7	21.1	21.7			

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Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN64: Among students who had sexual intercourse during the past three months, the percentage who used a condom during last sexual intercourse								
59.6	61.3	63.3	67.5	62.4	61.5	No linear change	Increased, 2003-2009 Decreased, 2009-2013	No change
QN85: Percentage of students who had ever been taught in school about AIDS or HIV infection								
88.1	90.0	89.7	86.5	85.4	83.8	Decreased, 2003-2013	No change, 2003-2007 Decreased, 2007-2013	No change

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Total Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNOWT: Percentage of students who were overweight (i.e., at or above the 85th percentile but below the 95th percentile for body mass index, by age and sex)								
11.5	12.8	13.3	11.8	12.9	12.9	No linear change	No quadratic change	No change
QNOBESE: Percentage of students who were obese (i.e., at or above the 95th percentile for body mass index, by age and sex)								
8.0	9.3	10.1	10.3	8.5	9.4	No linear change	Increased, 2003-2007 No change, 2007-2013	No change
QN66: Percentage of students who described themselves as slightly or very overweight								
30.8	31.7	29.1	28.9	26.3	27.7	Decreased, 2003-2013	No quadratic change	No change
QN67: Percentage of students who were trying to lose weight								
41.6	42.6	43.6	41.6	40.1	41.4	No linear change	No quadratic change	No change
QN68: Percentage of students who went without eating for 24 hours or more to lose weight or to keep from gaining weight during the past 30 days								
11.6	12.1	12.0	10.8	12.5	11.7	No linear change	No quadratic change	No change

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Total Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN69: Percentage of students who took any diet pills, powders, or liquids without a doctor's advice to lose weight or to keep from gaining weight during the past 30 days								
6.7	5.9	6.3	5.8	5.0	5.1	Decreased, 2003-2013	No quadratic change	No change
QN70: Percentage of students who vomited or took laxatives to lose weight or to keep from gaining weight during the past 30 days								
6.0	6.3	5.6	5.3	4.8	4.4	Decreased, 2003-2013	No quadratic change	No change
QN71: Percentage of students who drank 100% fruit juices one or more times during the past seven days								
81.7	81.3	82.2	80.0	82.3	77.9	Decreased, 2003-2013	No change, 2003-2009 No change, 2009-2013	Decreased
QN72: Percentage of students who ate fruit one or more times during the past seven days								
87.8	87.3	88.9	88.8	89.9	91.2	Increased, 2003-2013	No quadratic change	No change
QN73: Percentage of students who ate green salad one or more times during the past seven days								
72.3	71.9	70.4	71.4	71.3	70.2	No linear change	No quadratic change	No change

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Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN74: Percentage of students who ate potatoes one or more times during the past seven days								
77.1	73.1	73.8	72.9	74.5	73.3	No linear change	Decreased, 2003-2007 No change, 2007-2013	No change
QN75: Percentage of students who ate carrots one or more times during the past seven days								
58.5	57.5	57.3	59.3	57.2	58.5	No linear change	No quadratic change	No change
QN76: Percentage of students who ate other vegetables one or more times during the past seven days								
85.2	84.7	85.0	84.6	85.9	86.3	No linear change	No quadratic change	No change
QNFRVG: Percentage of students who ate fruits and vegetables five or more times per day during the past seven days								
16.7	17.0	17.1	18.4	16.6	18.1	No linear change	No quadratic change	No change
QNFRUIT: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day during the past seven days								
27.2	26.3	27.1	27.4	26.9	28.2	No linear change	No quadratic change	No change

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2003	2005	2007	2009	2011	2013			
QNFR0: Percentage of students who ate fruits or drank 100% fruit juices 0 times per day during the past seven days								
4.9	5.5	4.7	5.2	4.0	4.1	Decreased, 2003-2013	No quadratic change	No change
QNFR1: Percentage of students who ate fruits or drank 100% fruit juices one or more times per day during the past seven days								
58.6	59.4	60.6	60.7	61.6	61.0	Increased, 2003-2013	No quadratic change	No change
QNFR3: Percentage of students who ate fruits or drank 100% fruit juices three or more times per day during the past seven days								
15.5	16.0	15.8	16.8	15.6	15.7	No linear change	No quadratic change	No change
QNVEG: Percentage of students who ate vegetables three or more times per day during the past seven days								
11.7	12.6	11.7	13.1	11.9	13.2	No linear change	No quadratic change	No change
QNVEG0: Percentage of students who ate vegetables 0 times per day during the past seven days								
3.6	4.0	3.9	4.5	3.5	3.9	No linear change	No quadratic change	No change

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Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNVEG1: Percentage of students who ate vegetables one or more times per day during the past seven days								
66.6	64.0	64.9	66.1	66.5	66.8	No linear change	No quadratic change	No change
QNVEG2: Percentage of students who ate vegetables two or more times per day during the past seven days								
27.3	27.3	26.2	29.2	28.5	29.4	Increased, 2003-2013	No quadratic change	No change
QNFRVG2: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day and ate vegetables three or more times per day during the past seven days								
7.6	8.2	8.0	8.3	8.0	9.1	No linear change	No quadratic change	No change
QN77: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day during the past seven days								
		26.2	25.7	23.4	18.2	Decreased, 2007-2013	Not available [§]	Decreased
QNSODA0: Percentage of students who drank a can, bottle, or glass of soda or pop 0 times per day during the past seven days								
		20.1	18.5	19.3	26.3	Increased, 2007-2013	Not available	Increased

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Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day during the past seven days								
		16.4	14.6	14.6	10.7	Decreased, 2007-2013	Not available [§]	Decreased
QNSODA3: Percentage of students who drank a can, bottle, or glass of soda or pop three or more times per day during the past seven days								
		8.2	7.5	6.9	5.1	Decreased, 2007-2013	Not available	Decreased
QN79: Percentage of students who ate breakfast on all of the past seven days								
				39.5	40.3	No linear change	Not available	No change
QNNOBKFT: Percentage of students who ate breakfast on none of the past seven days								
				11.2	11.7	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Total Physical Activity						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN80: Percentage of students who were physically active for a total of at least 60 minutes per day on five or more of the past seven days								
	31.2	44.9	46.0	54.7	54.8	Increased, 2005-2013	Not available§	No change
QNPA0DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 0 of the past seven days								
	25.2	13.3	13.4	10.0	10.7	Decreased, 2005-2013	Not available	No change
QNPA7DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 7 of the past seven days								
	14.0	21.2	21.1	28.7	27.7	Increased, 2005-2013	Not available	No change
QN81: Percentage of students who watched three or more hours per day of TV on an average school day								
25.3	26.3	22.2	23.7	22.1	22.6	Decreased, 2003-2013	No quadratic change	No change
QN82: Percentage of students who played video or computer games or used a computer for something that was not school work three or more hours per day on an average school day								
		16.2	17.9	20.6	29.7	Increased, 2007-2013	Not available	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Total Physical Activity	Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
	2003	2005	2007	2009	2011	2013			
QN83: Percentage of students who attended physical education (PE) classes on one or more days in an average week when they were in school									
	55.7	58.1	53.8	57.7	56.0	54.4	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes daily in an average week when they were in school									
	32.6	34.0	32.8	32.2	33.1	34.9	No linear change	No quadratic change	No change
QN84: Percentage of students who played on one or more sports teams during the past 12 months									
	60.5	61.7	59.6	57.7	63.2	63.7	Increased, 2003-2013	No change, 2003-2009 Increased, 2009-2013	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[†]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Total Other	Health Risk Behavior and Percentages					Linear Change*	Quadratic Change*	Change from 2011-2013 †
	2003	2005	2007	2009	2011	2013		
QN86: Percentage of students who had ever been told by a doctor or nurse that they had asthma								
	18.9	20.9	19.5	20.3	19.8	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Total Site-Added	Health Risk Behavior and Percentages					Linear Change*	Quadratic Change*	Change from 2011-2013 [†]	
	2003	2005	2007	2009	2011	2013			
QN89: Percentage of students whose property, such as their car, clothing, or books, had been stolen or deliberately damaged on school property one or more times during the past 12 months									
					28.7	26.2	No linear change	Not available [§]	No change
QN92: Percentage of students who used chewing tobacco, snuff, or dip on school property on one or more of the past 30 days									
	7.7	8.2	7.3	8.8	8.0	8.3	No linear change	No quadratic change	No change
QN93: Percentage of students who had at least one drink of alcohol on school property on one or more of the past 30 days									
	6.7	6.4	5.7	5.1	3.5	5.7	Decreased, 2003-2013	No quadratic change	Increased
QN94: Percentage of students who used marijuana on school property one or more times during the past 30 days									
	6.4	6.1	5.0	5.8	5.5	5.2	No linear change	No quadratic change	No change
QN99: Percentage of students who received help from a resource teacher, speech therapist, or other special education teacher at school during the past 12 months									
				12.5	12.2	12.4	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN8: Among students who rode a bicycle during the past 12 months, the percentage who never or rarely wore a bicycle helmet								
84.2	83.2	83.9	83.7	82.1	80.5	Decreased, 2003-2013	No quadratic change	No change
QN9: Percentage of students who never or rarely wore a seat belt when riding in a car driven by someone else								
22.5	17.7	18.5	15.5	14.0	13.3	Decreased, 2003-2013	No quadratic change	No change
QN10: Percentage of students who rode one or more times during the past 30 days in a car or other vehicle driven by someone who had been drinking alcohol								
37.0	33.9	31.5	28.1	25.7	24.5	Decreased, 2003-2013	No quadratic change	No change
QN13: Percentage of students who carried a weapon such as a gun, knife, or club on one or more of the past 30 days								
29.9	34.3	35.2	37.8	37.1	38.5	Increased, 2003-2013	No quadratic change	No change
QN14: Percentage of students who carried a gun on one or more of the past 30 days								
14.3	14.7	13.4	15.9	15.2	16.8	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN15: Percentage of students who carried a weapon such as a gun, knife, or club on school property on one or more of the past 30 days								
10.6	16.8	15.6	13.2	14.7	15.0	No linear change	Increased, 2003-2007 No change, 2007-2013	No change
QN16: Percentage of students who did not go to school on one or more of the past 30 days because they felt they would be unsafe at school or on their way to or from school								
3.2	3.8	4.0	3.6	4.2	6.5	Increased, 2003-2013	No change, 2003-2009 Increased, 2009-2013	Increased
QN17: Percentage of students who had been threatened or injured with a weapon such as a gun, knife, or club on school property one or more times during the past 12 months								
9.0	9.4	8.6	9.4	9.7	7.6	No linear change	No quadratic change	Decreased
QN18: Percentage of students who were in a physical fight one or more times during the past 12 months								
34.9	37.7	40.2	38.4	31.0	29.6	Decreased, 2003-2013	Increased, 2003-2007 Decreased, 2007-2013	No change
QN19: Percentage of students who were in a physical fight one or more times during the past 12 months in which they were injured and had to be treated by a doctor or nurse								
4.3	4.8	4.9	6.4	3.2	2.8	Decreased, 2003-2013	No change, 2003-2009 Decreased, 2009-2013	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN20: Percentage of students who were in a physical fight on school property one or more times during the past 12 months								
14.1	14.8	15.7	14.7	11.7	10.2	Decreased, 2003-2013	No change, 2003-2007 Decreased, 2007-2013	No change
QN21: Percentage of students who had ever been physically forced to have sexual intercourse when they did not want to								
6.4	6.3	5.0	4.8	6.6	5.7	No linear change	No quadratic change	No change
QN24: Percentage of students who had ever been bullied on school property during the past 12 months								
			21.2	23.6	22.3	No linear change	Not available [§]	No change
QN25: Percentage of students who had ever been electronically bullied during the past 12 months								
				11.4	10.6	No linear change	Not available	No change
QN26: Percentage of students who felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities during the past 12 months								
20.2	17.6	17.7	21.7	19.9	18.0	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN27: Percentage of students who seriously considered attempting suicide during the past 12 months						No linear change	No quadratic change	No change
13.8	10.2	11.0	14.6	13.4	12.7			
QN28: Percentage of students who made a plan about how they would attempt suicide during the past 12 months						No linear change	No quadratic change	No change
11.7	9.9	11.0	11.3	11.4	11.0			
QN29: Percentage of students who actually attempted suicide one or more times during the past 12 months						No linear change	No quadratic change	No change
6.8	6.7	5.7	7.4	6.0	6.4			
QN30: Percentage of students who made a suicide attempt during the past 12 months that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse						No linear change	No quadratic change	No change
2.3	1.8	2.4	2.6	2.2	2.7			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

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2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN31: Percentage of students who ever tried cigarette smoking, even one or two puffs								
63.2	56.1	51.4	50.6	47.2	43.4	Decreased, 2003-2013	No quadratic change	No change
QN32: Percentage of students who smoked a whole cigarette for the first time before age 13 years								
22.4	19.2	15.3	13.1	12.6	10.7	Decreased, 2003-2013	No quadratic change	No change
QN33: Percentage of students who smoked cigarettes on one or more of the past 30 days								
21.8	19.2	18.6	17.7	18.1	16.0	Decreased, 2003-2013	No quadratic change	No change
QNFRDIG: Percentage of students who smoked cigarettes on 20 or more of the past 30 days								
10.5	8.3	7.6	8.4	6.7	6.3	Decreased, 2003-2013	No quadratic change	No change
QN34: Among students who reported current cigarette use, the percentage who smoked more than 10 cigarettes per day on the days they smoked during the past 30 days								
11.9	9.0	9.9	5.7	8.3	7.5	Decreased, 2003-2013	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN35: Among students who were less than 18 years of age and who reported current cigarette use, the percentage who usually got their own cigarettes by buying them in a store or gas station during the past 30 days								
13.9	11.7	14.0	11.0	11.6	11.8	No linear change	No quadratic change	No change
QN36: Percentage of students who smoked cigarettes on school property on one or more of the past 30 days								
7.4	7.6	6.2	5.3	5.1	4.0	Decreased, 2003-2013	No quadratic change	No change
QN37: Percentage of students who ever smoked cigarettes daily, that is, at least one cigarette every day for 30 days								
16.5	13.9	12.0	12.7	12.5	9.6	Decreased, 2003-2013	No quadratic change	Decreased
QN38: Among students who reported current cigarette use, the percentage who ever tried to quit smoking cigarettes during the past 12 months								
52.2	53.7	49.2	56.2	53.0	50.4	No linear change	No quadratic change	No change
QN39: Percentage of students who used chewing tobacco, snuff, or dip on one or more of the past 30 days								
20.4	22.8	20.3	24.1	21.2	21.6	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN40: Percentage of students who smoked cigars, cigarillos, or little cigars on one or more of the past 30 days								
18.4	23.7	20.1	23.7	22.1	20.7	No linear change	No change, 2003-2009 No change, 2009-2013	No change
QNANYTOB: Percentage of students who smoked cigarettes or cigars or used chewing tobacco, snuff, or dip on one or more of the past 30 days								
34.4	37.4	34.4	37.2	34.2	33.0	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN41: Percentage of students who had at least one drink of alcohol on one or more days during their life								
82.5	77.3	78.0	75.5	72.5	68.9	Decreased, 2003-2013	No quadratic change	Decreased
QN42: Percentage of students who had their first drink of alcohol other than a few sips before age 13 years								
36.1	31.9	29.1	27.8	25.4	22.9	Decreased, 2003-2013	No quadratic change	No change
QN43: Percentage of students who had at least one drink of alcohol on one or more of the past 30 days								
49.6	49.2	46.4	42.9	39.7	37.2	Decreased, 2003-2013	No quadratic change	No change
QN44: Percentage of students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days								
39.1	36.0	32.8	30.2	27.3	25.2	Decreased, 2003-2013	No quadratic change	No change
QN46: Among students who reported current alcohol use, the percentage who usually got the alcohol they drank from someone who gave it to them during the past 30 days								
		32.9	32.7	29.6	30.0	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN47: Percentage of students who used marijuana one or more times during their life						Decreased, 2003-2013	No quadratic change	No change
46.3	43.7	39.7	43.1	42.2	38.4			
QN48: Percentage of students who tried marijuana for the first time before age 13 years						Decreased, 2003-2013	No quadratic change	No change
14.3	14.3	10.9	11.2	10.0	9.0			
QN49: Percentage of students who used marijuana one or more times during the past 30 days						Decreased, 2003-2013	No quadratic change	No change
25.8	23.3	22.7	23.7	23.0	22.1			
QN50: Percentage of students who used any form of cocaine, including powder, crack, or freebase one or more times during their life						Decreased, 2003-2013	No quadratic change	No change
8.6	9.8	9.3	9.5	7.5	7.7			
QN51: Percentage of students who sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times during their life						Decreased, 2003-2013	No change, 2003-2007 Decreased, 2007-2013	No change
13.0	15.0	14.4	12.8	11.0	9.4			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN52: Percentage of students who used heroin one or more times during their life								
3.8	4.4	3.2	4.1	3.3	3.3	No linear change	No quadratic change	No change
QN53: Percentage of students who used methamphetamines one or more times during their life								
9.0	8.4	4.5	3.9	3.8	4.4	Decreased, 2003-2013	Decreased, 2003-2009 No change, 2009-2013	No change
QN54: Percentage of students who used ecstasy one or more times during their life								
6.8	6.9	6.8	9.1	10.1	9.4	Increased, 2003-2013	No quadratic change	No change
QN55: Percentage of students who took steroid pills or shots without a doctor's prescription one or more times during their life								
5.0	4.8	3.6	5.0	3.5	3.7	Decreased, 2003-2013	No quadratic change	No change
QN56: Percentage of students who have taken a prescription drug (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax) without a doctor's prescription one or more times during their life								
				19.4	16.8	Decreased, 2011-2013	Not available§	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male

Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN57: Percentage of students who used a needle to inject any illegal drug into their body one or more times during their life								
2.8	4.2	2.3	4.6	2.4	3.0	No linear change	No quadratic change	No change
QN58: Percentage of students who were offered, sold, or given an illegal drug by someone on school property during the past 12 months								
29.2	27.4	27.2	24.5	28.7	24.9	No linear change	No quadratic change	Decreased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Sexual Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN59: Percentage of students who ever had sexual intercourse								
45.2	44.4	44.8	48.1	49.1	46.0	No linear change	No quadratic change	No change
QN60: Percentage of students who had sexual intercourse for the first time before age 13 years								
8.7	7.0	6.8	7.7	6.3	5.7	Decreased, 2003-2013	No quadratic change	No change
QN61: Percentage of students who had sexual intercourse with four or more people during their life								
15.3	13.3	14.5	17.3	15.5	15.3	No linear change	No quadratic change	No change
QN62: Percentage of students who had sexual intercourse with one or more people during the past three months								
30.6	30.0	27.6	30.8	32.6	32.8	No linear change	No quadratic change	No change
QN63: Among students who had sexual intercourse during the past three months, the percentage who drank alcohol or used drugs before last sexual intercourse								
36.6	33.6	32.2	29.4	24.4	23.5	Decreased, 2003-2013	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Sexual Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN64: Among students who had sexual intercourse during the past three months, the percentage who used a condom during last sexual intercourse								
64.7	66.9	72.7	77.3	66.5	65.9	No linear change	Increased, 2003-2009 Decreased, 2009-2013	No change
QN85: Percentage of students who had ever been taught in school about AIDS or HIV infection								
86.3	89.3	89.4	85.4	85.6	83.4	Decreased, 2003-2013	Increased, 2003-2007 Decreased, 2007-2013	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNOWT: Percentage of students who were overweight (i.e., at or above the 85th percentile but below the 95th percentile for body mass index, by age and sex)								
11.5	13.0	13.8	14.2	14.0	14.6	Increased, 2003-2013	No quadratic change	No change
QNOBESE: Percentage of students who were obese (i.e., at or above the 95th percentile for body mass index, by age and sex)								
11.2	13.9	13.7	13.0	11.4	12.9	No linear change	No quadratic change	No change
QN66: Percentage of students who described themselves as slightly or very overweight								
21.7	23.4	21.9	24.8	21.6	21.5	No linear change	No quadratic change	No change
QN67: Percentage of students who were trying to lose weight								
23.0	24.2	26.1	25.8	25.8	25.7	No linear change	No quadratic change	No change
QN68: Percentage of students who went without eating for 24 hours or more to lose weight or to keep from gaining weight during the past 30 days								
6.9	7.6	7.8	7.2	9.5	7.9	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN69: Percentage of students who took any diet pills, powders, or liquids without a doctor's advice to lose weight or to keep from gaining weight during the past 30 days								
4.0	4.6	5.1	4.7	4.6	4.3	No linear change	No quadratic change	No change
QN70: Percentage of students who vomited or took laxatives to lose weight or to keep from gaining weight during the past 30 days								
2.9	3.4	3.6	4.0	3.5	3.0	No linear change	No quadratic change	No change
QN71: Percentage of students who drank 100% fruit juices one or more times during the past seven days								
81.9	81.2	83.2	79.8	82.9	80.3	No linear change	No quadratic change	Decreased
QN72: Percentage of students who ate fruit one or more times during the past seven days								
86.6	87.3	86.9	87.0	87.9	89.8	Increased, 2003-2013	No quadratic change	Increased
QN73: Percentage of students who ate green salad one or more times during the past seven days								
67.7	69.7	65.9	67.3	68.1	64.9	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN74: Percentage of students who ate potatoes one or more times during the past seven days								
79.2	74.7	73.9	72.6	75.8	76.4	No linear change	Decreased, 2003-2007 Increased, 2007-2013	No change
QN75: Percentage of students who ate carrots one or more times during the past seven days								
56.8	58.2	57.5	59.0	57.7	59.3	No linear change	No quadratic change	No change
QN76: Percentage of students who ate other vegetables one or more times during the past seven days								
83.7	83.5	83.2	81.5	83.7	84.2	No linear change	No quadratic change	No change
QNFRVG: Percentage of students who ate fruits and vegetables five or more times per day during the past seven days								
18.1	19.0	19.1	19.0	18.6	19.0	No linear change	No quadratic change	No change
QNFRUIT: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day during the past seven days								
28.6	28.1	27.7	27.6	27.8	28.5	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNFR0: Percentage of students who ate fruits or drank 100% fruit juices 0 times per day during the past seven days								
5.8	5.9	5.4	6.4	5.0	4.6	No linear change	No quadratic change	No change
QNFR1: Percentage of students who ate fruits or drank 100% fruit juices one or more times per day during the past seven days								
58.8	60.9	60.5	60.3	61.0	61.1	No linear change	No quadratic change	No change
QNFR3: Percentage of students who ate fruits or drank 100% fruit juices three or more times per day during the past seven days								
16.6	18.1	17.5	17.5	17.6	17.5	No linear change	No quadratic change	No change
QNVEG: Percentage of students who ate vegetables three or more times per day during the past seven days								
12.6	13.6	12.5	14.0	13.8	13.9	No linear change	No quadratic change	No change
QNVEG0: Percentage of students who ate vegetables 0 times per day during the past seven days								
4.2	4.9	5.0	6.2	4.5	4.8	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNVEG1: Percentage of students who ate vegetables one or more times per day during the past seven days								
65.2	64.6	65.1	65.2	66.1	66.1	No linear change	No quadratic change	No change
QNVEG2: Percentage of students who ate vegetables two or more times per day during the past seven days								
27.1	28.0	27.4	27.4	30.0	29.2	No linear change	No quadratic change	No change
QNFRVG2: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day and ate vegetables three or more times per day during the past seven days								
8.3	9.8	8.2	8.7	9.1	9.6	No linear change	No quadratic change	No change
QN77: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day during the past seven days								
		31.1	33.5	29.7	23.3	Decreased, 2007-2013	Not available [§]	Decreased
QNSODA0: Percentage of students who drank a can, bottle, or glass of soda or pop 0 times per day during the past seven days								
		16.0	11.5	14.9	19.8	Increased, 2007-2013	Not available	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day during the past seven days								
		20.3	20.2	19.3	14.0	Decreased, 2007-2013	Not available [§]	Decreased
QNSODA3: Percentage of students who drank a can, bottle, or glass of soda or pop three or more times per day during the past seven days								
		9.9	10.4	8.9	7.0	Decreased, 2007-2013	Not available	Decreased
QN79: Percentage of students who ate breakfast on all of the past seven days								
				42.6	41.9	No linear change	Not available	No change
QNNOBKFT: Percentage of students who ate breakfast on none of the past seven days								
				11.0	11.7	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Physical Activity						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN80: Percentage of students who were physically active for a total of at least 60 minutes per day on five or more of the past seven days								
	37.9	52.6	52.4	61.4	61.4	Increased, 2005-2013	Not available§	No change
QNPA0DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 0 of the past seven days								
	19.8	11.1	10.2	8.8	9.0	Decreased, 2005-2013	Not available	No change
QNPA7DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 7 of the past seven days								
	18.2	28.8	27.5	36.1	35.4	Increased, 2005-2013	Not available	No change
QN81: Percentage of students who watched three or more hours per day of TV on an average school day								
28.2	28.5	24.9	27.1	24.6	24.6	Decreased, 2003-2013	No quadratic change	No change
QN82: Percentage of students who played video or computer games or used a computer for something that was not school work three or more hours per day on an average school day								
		20.1	24.9	26.4	31.3	Increased, 2007-2013	Not available	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Physical Activity						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN83: Percentage of students who attended physical education (PE) classes on one or more days in an average week when they were in school								
60.7	63.2	59.1	61.8	60.8	59.5	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes daily in an average week when they were in school								
36.7	38.4	37.4	35.4	37.0	38.7	No linear change	No quadratic change	No change
QN84: Percentage of students who played on one or more sports teams during the past 12 months								
65.9	65.8	61.8	60.7	64.7	65.7	No linear change	Decreased, 2003-2009 No change, 2009-2013	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

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2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Other	Health Risk Behavior and Percentages					Linear Change*	Quadratic Change*	Change from 2011-2013 †
	2003	2005	2007	2009	2011	2013		
	QN86: Percentage of students who had ever been told by a doctor or nurse that they had asthma							
	18.2	20.3	19.9	20.3	19.2	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Male Site-Added						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN89: Percentage of students whose property, such as their car, clothing, or books, had been stolen or deliberately damaged on school property one or more times during the past 12 months								
				30.5	28.9	No linear change	Not available [§]	No change
QN92: Percentage of students who used chewing tobacco, snuff, or dip on school property on one or more of the past 30 days								
12.7	13.5	12.0	16.1	13.1	13.7	No linear change	No quadratic change	No change
QN93: Percentage of students who had at least one drink of alcohol on school property on one or more of the past 30 days								
8.0	7.0	6.6	6.1	4.4	6.9	Decreased, 2003-2013	No quadratic change	Increased
QN94: Percentage of students who used marijuana on school property one or more times during the past 30 days								
8.6	6.8	6.2	7.1	7.0	6.4	No linear change	No quadratic change	No change
QN99: Percentage of students who received help from a resource teacher, speech therapist, or other special education teacher at school during the past 12 months								
			12.6	13.2	12.5	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN8: Among students who rode a bicycle during the past 12 months, the percentage who never or rarely wore a bicycle helmet								
82.3	81.2	83.8	81.5	80.2	79.8	No linear change	No quadratic change	No change
QN9: Percentage of students who never or rarely wore a seat belt when riding in a car driven by someone else								
12.7	9.5	9.7	10.5	8.2	6.6	Decreased, 2003-2013	No quadratic change	No change
QN10: Percentage of students who rode one or more times during the past 30 days in a car or other vehicle driven by someone who had been drinking alcohol								
36.4	34.5	34.5	29.5	26.5	24.3	Decreased, 2003-2013	No quadratic change	No change
QN13: Percentage of students who carried a weapon such as a gun, knife, or club on one or more of the past 30 days								
8.2	7.7	8.8	7.7	9.1	12.4	Increased, 2003-2013	No change, 2003-2009 Increased, 2009-2013	Increased
QN14: Percentage of students who carried a gun on one or more of the past 30 days								
2.6	2.7	2.1	2.3	2.2	3.7	No linear change	No quadratic change	Increased

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2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN15: Percentage of students who carried a weapon such as a gun, knife, or club on school property on one or more of the past 30 days								
3.2	3.0	3.7	2.3	3.5	4.5	No linear change	No quadratic change	No change
QN16: Percentage of students who did not go to school on one or more of the past 30 days because they felt they would be unsafe at school or on their way to or from school								
3.5	4.0	4.4	6.9	4.2	11.1	Increased, 2003-2013	No quadratic change	Increased
QN17: Percentage of students who had been threatened or injured with a weapon such as a gun, knife, or club on school property one or more times during the past 12 months								
4.8	5.8	5.3	5.3	5.0	4.8	No linear change	No quadratic change	No change
QN18: Percentage of students who were in a physical fight one or more times during the past 12 months								
21.2	23.0	25.3	24.7	19.3	15.4	Decreased, 2003-2013	No change, 2003-2009 Decreased, 2009-2013	Decreased
QN19: Percentage of students who were in a physical fight one or more times during the past 12 months in which they were injured and had to be treated by a doctor or nurse								
2.4	2.1	2.5	3.3	2.1	1.6	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN20: Percentage of students who were in a physical fight on school property one or more times during the past 12 months								
6.0	6.8	8.1	6.8	6.3	4.1	Decreased, 2003-2013	Increased, 2003-2007 Decreased, 2007-2013	Decreased
QN21: Percentage of students who had ever been physically forced to have sexual intercourse when they did not want to								
13.4	13.9	12.7	13.7	13.2	11.9	No linear change	No quadratic change	No change
QN24: Percentage of students who had ever been bullied on school property during the past 12 months								
			24.8	28.4	30.5	Increased, 2009-2013	Not available [§]	No change
QN25: Percentage of students who had ever been electronically bullied during the past 12 months								
				27.3	25.9	No linear change	Not available	No change
QN26: Percentage of students who felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities during the past 12 months								
33.1	34.0	34.0	33.2	30.8	35.4	No linear change	No quadratic change	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN27: Percentage of students who seriously considered attempting suicide during the past 12 months								
24.2	25.0	19.3	20.3	17.1	21.1	Decreased, 2003-2013	Decreased, 2003-2009 No change, 2009-2013	Increased
QN28: Percentage of students who made a plan about how they would attempt suicide during the past 12 months								
18.0	19.2	15.4	15.5	13.1	16.4	Decreased, 2003-2013	No quadratic change	Increased
QN29: Percentage of students who actually attempted suicide one or more times during the past 12 months								
12.3	13.3	9.9	7.9	6.9	9.3	Decreased, 2003-2013	No quadratic change	Increased
QN30: Percentage of students who made a suicide attempt during the past 12 months that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse								
3.8	4.1	3.1	3.0	2.4	2.5	Decreased, 2003-2013	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

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2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN31: Percentage of students who ever tried cigarette smoking, even one or two puffs								
58.5	54.4	52.5	49.4	40.6	38.6	Decreased, 2003-2013	No quadratic change	No change
QN32: Percentage of students who smoked a whole cigarette for the first time before age 13 years								
18.9	15.4	14.1	11.3	9.6	8.6	Decreased, 2003-2013	No quadratic change	No change
QN33: Percentage of students who smoked cigarettes on one or more of the past 30 days								
23.9	20.9	21.3	19.8	14.8	14.4	Decreased, 2003-2013	No quadratic change	No change
QNFRDIG: Percentage of students who smoked cigarettes on 20 or more of the past 30 days								
11.2	9.1	8.4	7.5	6.2	4.6	Decreased, 2003-2013	No quadratic change	No change
QN34: Among students who reported current cigarette use, the percentage who smoked more than 10 cigarettes per day on the days they smoked during the past 30 days								
9.5	5.1	5.6	2.4	5.0	3.7	Decreased, 2003-2013	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN35: Among students who were less than 18 years of age and who reported current cigarette use, the percentage who usually got their own cigarettes by buying them in a store or gas station during the past 30 days								
7.2	7.3	5.3	4.2	6.0	5.7	No linear change	No quadratic change	No change
QN36: Percentage of students who smoked cigarettes on school property on one or more of the past 30 days								
8.1	6.1	6.3	5.5	3.4	3.4	Decreased, 2003-2013	No quadratic change	No change
QN37: Percentage of students who ever smoked cigarettes daily, that is, at least one cigarette every day for 30 days								
18.3	16.1	13.7	14.3	10.3	8.7	Decreased, 2003-2013	No quadratic change	No change
QN38: Among students who reported current cigarette use, the percentage who ever tried to quit smoking cigarettes during the past 12 months								
70.0	67.6	60.2	52.9	59.9	55.1	Decreased, 2003-2013	No quadratic change	No change
QN39: Percentage of students who used chewing tobacco, snuff, or dip on one or more of the past 30 days								
5.3	5.8	5.3	4.3	5.2	4.5	No linear change	No quadratic change	No change

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†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN40: Percentage of students who smoked cigars, cigarillos, or little cigars on one or more of the past 30 days								
9.4	11.0	10.6	11.6	9.6	10.4	No linear change	No quadratic change	No change
QNANYTOB: Percentage of students who smoked cigarettes or cigars or used chewing tobacco, snuff, or dip on one or more of the past 30 days								
27.1	25.0	25.4	25.2	20.2	20.2	Decreased, 2003-2013	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN41: Percentage of students who had at least one drink of alcohol on one or more days during their life								
79.5	78.4	77.6	75.8	73.1	72.1	Decreased, 2003-2013	No quadratic change	No change
QN42: Percentage of students who had their first drink of alcohol other than a few sips before age 13 years								
24.4	23.2	22.6	20.0	16.9	16.6	Decreased, 2003-2013	No quadratic change	No change
QN43: Percentage of students who had at least one drink of alcohol on one or more of the past 30 days								
48.9	48.0	46.7	42.8	36.9	36.9	Decreased, 2003-2013	No quadratic change	No change
QN44: Percentage of students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days								
34.9	32.7	32.7	30.0	23.0	21.6	Decreased, 2003-2013	No quadratic change	No change
QN46: Among students who reported current alcohol use, the percentage who usually got the alcohol they drank from someone who gave it to them during the past 30 days								
		45.0	43.8	39.3	42.9	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN47: Percentage of students who used marijuana one or more times during their life								
41.5	39.4	38.3	41.3	36.0	36.9	Decreased, 2003-2013	No quadratic change	No change
QN48: Percentage of students who tried marijuana for the first time before age 13 years								
7.2	7.7	7.8	8.2	5.8	6.6	No linear change	No quadratic change	No change
QN49: Percentage of students who used marijuana one or more times during the past 30 days								
19.9	21.1	19.3	22.5	19.4	19.9	No linear change	No quadratic change	No change
QN50: Percentage of students who used any form of cocaine, including powder, crack, or freebase one or more times during their life								
8.8	8.5	7.2	4.7	4.6	4.9	Decreased, 2003-2013	No quadratic change	No change
QN51: Percentage of students who sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times during their life								
14.4	15.3	18.1	15.7	12.1	10.4	Decreased, 2003-2013	Increased, 2003-2007 Decreased, 2007-2013	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN52: Percentage of students who used heroin one or more times during their life								
2.2	2.1	1.8	1.8	1.8	1.7	No linear change	No quadratic change	No change
QN53: Percentage of students who used methamphetamines one or more times during their life								
9.4	8.0	4.7	2.2	2.4	2.7	Decreased, 2003-2013	Decreased, 2003-2009 Increased, 2009-2013	No change
QN54: Percentage of students who used ecstasy one or more times during their life								
5.2	5.1	5.2	5.2	6.2	6.6	No linear change	No quadratic change	No change
QN55: Percentage of students who took steroid pills or shots without a doctor's prescription one or more times during their life								
4.2	3.7	2.0	2.5	2.1	1.4	Decreased, 2003-2013	Decreased, 2003-2009 No change, 2009-2013	No change
QN56: Percentage of students who have taken a prescription drug (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax) without a doctor's prescription one or more times during their life								
				17.4	15.3	No linear change	Not available§	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN57: Percentage of students who used a needle to inject any illegal drug into their body one or more times during their life								
2.0	2.3	1.6	2.8	1.5	1.7	No linear change	No quadratic change	No change
QN58: Percentage of students who were offered, sold, or given an illegal drug by someone on school property during the past 12 months								
24.7	23.0	22.4	16.4	21.3	20.6	Decreased, 2003-2013	Decreased, 2003-2009 Increased, 2009-2013	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Sexual Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN59: Percentage of students who ever had sexual intercourse						Increased, 2003-2013	No quadratic change	No change
41.7	42.6	46.4	47.0	46.6	46.0			
QN60: Percentage of students who had sexual intercourse for the first time before age 13 years						No linear change	No quadratic change	No change
2.7	2.8	3.4	3.7	2.4	2.8			
QN61: Percentage of students who had sexual intercourse with four or more people during their life						No linear change	No quadratic change	No change
12.3	12.5	12.7	14.7	14.5	13.9			
QN62: Percentage of students who had sexual intercourse with one or more people during the past three months						Increased, 2003-2013	No quadratic change	No change
28.9	32.4	34.8	33.6	36.8	35.4			
QN63: Among students who had sexual intercourse during the past three months, the percentage who drank alcohol or used drugs before last sexual intercourse						Decreased, 2003-2013	No quadratic change	No change
29.4	25.0	21.3	22.3	18.2	20.0			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Sexual Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN64: Among students who had sexual intercourse during the past three months, the percentage who used a condom during last sexual intercourse								
54.7	56.5	55.8	58.4	58.6	57.2	No linear change	No quadratic change	No change
QN85: Percentage of students who had ever been taught in school about AIDS or HIV infection								
90.0	91.3	90.4	87.6	85.2	84.2	Decreased, 2003-2013	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNOWT: Percentage of students who were overweight (i.e., at or above the 85th percentile but below the 95th percentile for body mass index, by age and sex)								
11.4	12.6	12.9	9.2	11.6	11.2	No linear change	No quadratic change	No change
QNOBESE: Percentage of students who were obese (i.e., at or above the 95th percentile for body mass index, by age and sex)								
4.4	4.4	6.3	7.4	5.4	5.6	No linear change	No quadratic change	No change
QN66: Percentage of students who described themselves as slightly or very overweight								
40.4	40.2	36.4	33.4	31.5	34.3	Decreased, 2003-2013	No quadratic change	No change
QN67: Percentage of students who were trying to lose weight								
61.3	61.9	61.7	58.4	55.3	57.9	Decreased, 2003-2013	No quadratic change	No change
QN68: Percentage of students who went without eating for 24 hours or more to lose weight or to keep from gaining weight during the past 30 days								
16.6	16.7	16.3	14.6	15.6	15.7	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN69: Percentage of students who took any diet pills, powders, or liquids without a doctor's advice to lose weight or to keep from gaining weight during the past 30 days								
9.3	7.3	7.5	6.8	5.5	6.0	Decreased, 2003-2013	No quadratic change	No change
QN70: Percentage of students who vomited or took laxatives to lose weight or to keep from gaining weight during the past 30 days								
9.3	9.1	7.7	6.7	6.0	6.0	Decreased, 2003-2013	No quadratic change	No change
QN71: Percentage of students who drank 100% fruit juices one or more times during the past seven days								
81.7	81.6	81.3	80.3	81.7	75.6	Decreased, 2003-2013	No change, 2003-2009 Decreased, 2009-2013	Decreased
QN72: Percentage of students who ate fruit one or more times during the past seven days								
89.1	87.9	90.9	90.6	92.0	92.9	Increased, 2003-2013	No quadratic change	No change
QN73: Percentage of students who ate green salad one or more times during the past seven days								
77.1	74.6	74.9	75.7	74.8	75.9	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN74: Percentage of students who ate potatoes one or more times during the past seven days								
75.1	71.8	73.6	73.2	73.1	70.0	No linear change	No quadratic change	Decreased
QN75: Percentage of students who ate carrots one or more times during the past seven days								
60.2	56.9	57.0	59.6	56.8	57.7	No linear change	No quadratic change	No change
QN76: Percentage of students who ate other vegetables one or more times during the past seven days								
86.7	86.4	86.8	87.9	88.3	88.6	No linear change	No quadratic change	No change
QNFRVG: Percentage of students who ate fruits and vegetables five or more times per day during the past seven days								
15.2	14.8	14.9	17.5	14.6	17.1	No linear change	No quadratic change	No change
QNFRUIT: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day during the past seven days								
25.6	24.1	26.4	27.1	25.9	28.0	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNFR0: Percentage of students who ate fruits or drank 100% fruit juices 0 times per day during the past seven days								
3.7	4.9	4.0	4.0	2.9	3.5	No linear change	No quadratic change	No change
QNFR1: Percentage of students who ate fruits or drank 100% fruit juices one or more times per day during the past seven days								
58.5	57.7	60.8	61.0	62.1	61.2	Increased, 2003-2013	No quadratic change	No change
QNFR3: Percentage of students who ate fruits or drank 100% fruit juices three or more times per day during the past seven days								
14.4	13.5	13.8	15.9	13.4	13.7	No linear change	No quadratic change	No change
QNVEG: Percentage of students who ate vegetables three or more times per day during the past seven days								
10.6	11.1	10.9	12.0	9.8	12.5	No linear change	No quadratic change	Increased
QNVEG0: Percentage of students who ate vegetables 0 times per day during the past seven days								
2.9	2.6	2.6	2.6	2.3	2.9	No linear change	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNVEG1: Percentage of students who ate vegetables one or more times per day during the past seven days								
68.2	63.5	64.7	67.0	66.9	67.6	No linear change	No quadratic change	No change
QNVEG2: Percentage of students who ate vegetables two or more times per day during the past seven days								
27.5	26.3	25.0	30.9	26.9	29.4	No linear change	No quadratic change	No change
QNFRVG2: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day and ate vegetables three or more times per day during the past seven days								
6.7	6.3	7.8	7.7	6.7	8.5	No linear change	No quadratic change	No change
QN77: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day during the past seven days								
		21.1	17.2	16.7	12.7	Decreased, 2007-2013	Not available [§]	Decreased
QNSODA0: Percentage of students who drank a can, bottle, or glass of soda or pop 0 times per day during the past seven days								
		24.3	25.9	23.9	33.1	Increased, 2007-2013	Not available	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day during the past seven days								
		12.4	8.7	9.5	7.1	Decreased, 2007-2013	Not available [§]	No change
QNSODA3: Percentage of students who drank a can, bottle, or glass of soda or pop three or more times per day during the past seven days								
		6.5	4.3	4.6	3.2	Decreased, 2007-2013	Not available	No change
QN79: Percentage of students who ate breakfast on all of the past seven days								
				36.4	38.6	No linear change	Not available	No change
QNNOBKFT: Percentage of students who ate breakfast on none of the past seven days								
				11.3	11.6	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Physical Activity						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN80: Percentage of students who were physically active for a total of at least 60 minutes per day on five or more of the past seven days								
	24.1	36.9	39.4	47.5	47.7	Increased, 2005-2013	Not available§	No change
QNPA0DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 0 of the past seven days								
	30.7	15.3	16.7	11.3	12.3	Decreased, 2005-2013	Not available	No change
QNPA7DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 7 of the past seven days								
	9.4	13.2	14.4	20.9	19.6	Increased, 2005-2013	Not available	No change
QN81: Percentage of students who watched three or more hours per day of TV on an average school day								
22.1	23.5	19.5	20.2	19.4	20.4	No linear change	No quadratic change	No change
QN82: Percentage of students who played video or computer games or used a computer for something that was not school work three or more hours per day on an average school day								
		12.0	10.5	14.3	28.0	Increased, 2007-2013	Not available	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Physical Activity

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN83: Percentage of students who attended physical education (PE) classes on one or more days in an average week when they were in school								
50.3	53.2	48.5	53.5	51.0	49.1	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes daily in an average week when they were in school								
28.3	29.4	28.2	29.1	29.1	30.8	No linear change	No quadratic change	No change
QN84: Percentage of students who played on one or more sports teams during the past 12 months								
54.7	57.6	57.3	54.8	61.6	61.4	Increased, 2003-2013	No quadratic change	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Other	Health Risk Behavior and Percentages					Linear Change*	Quadratic Change*	Change from 2011-2013 †
	2003	2005	2007	2009	2011	2013		
QN86: Percentage of students who had ever been told by a doctor or nurse that they had asthma								
	19.4	21.4	19.0	20.3	20.5	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Female Site-Added						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN89: Percentage of students whose property, such as their car, clothing, or books, had been stolen or deliberately damaged on school property one or more times during the past 12 months								
				26.7	23.3	No linear change	Not available [§]	No change
QN92: Percentage of students who used chewing tobacco, snuff, or dip on school property on one or more of the past 30 days								
2.1	2.2	2.4	1.0	2.6	2.4	No linear change	No quadratic change	No change
QN93: Percentage of students who had at least one drink of alcohol on school property on one or more of the past 30 days								
5.3	5.4	4.7	3.9	2.5	4.4	Decreased, 2003-2013	No quadratic change	Increased
QN94: Percentage of students who used marijuana on school property one or more times during the past 30 days								
3.8	5.1	3.8	4.5	4.0	4.0	No linear change	No quadratic change	No change
QN99: Percentage of students who received help from a resource teacher, speech therapist, or other special education teacher at school during the past 12 months								
			12.2	11.2	12.1	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Injury and Violence						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN8: Among students who rode a bicycle during the past 12 months, the percentage who never or rarely wore a bicycle helmet								
82.8	81.3	82.9	81.5	79.5	78.5	Decreased, 2003-2013	No quadratic change	No change
QN9: Percentage of students who never or rarely wore a seat belt when riding in a car driven by someone else								
16.4	12.3	13.3	11.2	10.6	8.4	Decreased, 2003-2013	No quadratic change	No change
QN10: Percentage of students who rode one or more times during the past 30 days in a car or other vehicle driven by someone who had been drinking alcohol								
36.2	33.3	31.4	26.7	24.9	23.5	Decreased, 2003-2013	No quadratic change	No change
QN13: Percentage of students who carried a weapon such as a gun, knife, or club on one or more of the past 30 days								
18.5	21.0	22.0	22.8	23.4	25.2	Increased, 2003-2013	No quadratic change	No change
QN14: Percentage of students who carried a gun on one or more of the past 30 days								
8.0	8.7	7.5	9.0	8.7	9.9	No linear change	No quadratic change	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Injury and Violence						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN15: Percentage of students who carried a weapon such as a gun, knife, or club on school property on one or more of the past 30 days								
6.5	10.0	9.6	8.1	9.2	9.7	Increased, 2003-2013	No quadratic change	No change
QN16: Percentage of students who did not go to school on one or more of the past 30 days because they felt they would be unsafe at school or on their way to or from school								
2.7	3.3	3.1	3.5	3.6	8.0	Increased, 2003-2013	No change, 2003-2009 Increased, 2009-2013	Increased
QN17: Percentage of students who had been threatened or injured with a weapon such as a gun, knife, or club on school property one or more times during the past 12 months								
6.3	7.4	6.6	7.3	7.1	5.5	No linear change	No quadratic change	Decreased
QN18: Percentage of students who were in a physical fight one or more times during the past 12 months								
26.6	28.5	30.3	28.3	23.7	19.8	Decreased, 2003-2013	Increased, 2003-2007 Decreased, 2007-2013	Decreased
QN19: Percentage of students who were in a physical fight one or more times during the past 12 months in which they were injured and had to be treated by a doctor or nurse								
2.8	2.9	2.8	3.1	2.3	1.6	Decreased, 2003-2013	No quadratic change	Decreased

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Injury and Violence						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN20: Percentage of students who were in a physical fight on school property one or more times during the past 12 months								
9.5	10.0	10.3	9.6	8.3	6.1	Decreased, 2003-2013	No change, 2003-2007 Decreased, 2007-2013	Decreased
QN21: Percentage of students who had ever been physically forced to have sexual intercourse when they did not want to								
9.1	9.4	8.1	8.7	9.2	8.0	No linear change	No quadratic change	No change
QN24: Percentage of students who had ever been bullied on school property during the past 12 months								
			23.1	26.1	26.4	No linear change	Not available [¶]	No change
QN25: Percentage of students who had ever been electronically bullied during the past 12 months								
				19.0	17.7	No linear change	Not available	No change
QN26: Percentage of students who felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities during the past 12 months								
25.7	24.6	24.2	25.6	24.2	25.0	No linear change	No quadratic change	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[‡]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Injury and Violence						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN27: Percentage of students who seriously considered attempting suicide during the past 12 months						Decreased, 2003-2013	Decreased, 2003-2007 No change, 2007-2013	No change
18.3	17.1	14.0	16.3	14.2	15.3			
QN28: Percentage of students who made a plan about how they would attempt suicide during the past 12 months						Decreased, 2003-2013	No quadratic change	No change
14.5	13.9	12.5	12.0	11.5	12.4			
QN29: Percentage of students who actually attempted suicide one or more times during the past 12 months						Decreased, 2003-2013	Decreased, 2003-2009 No change, 2009-2013	No change
8.7	8.7	6.4	6.2	5.6	6.7			
QN30: Percentage of students who made a suicide attempt during the past 12 months that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse						No linear change	No quadratic change	No change
2.7	2.6	2.2	2.0	1.8	2.2			

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Tobacco Use						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN31: Percentage of students who ever tried cigarette smoking, even one or two puffs								
57.8	52.0	47.9	46.1	40.4	37.2	Decreased, 2003-2013	No quadratic change	No change
QN32: Percentage of students who smoked a whole cigarette for the first time before age 13 years								
18.0	14.8	12.1	9.3	9.1	7.2	Decreased, 2003-2013	No quadratic change	No change
QN33: Percentage of students who smoked cigarettes on one or more of the past 30 days								
20.5	18.0	16.9	16.1	14.2	12.8	Decreased, 2003-2013	No quadratic change	No change
QNFRSIG: Percentage of students who smoked cigarettes on 20 or more of the past 30 days								
9.6	8.1	7.0	6.7	5.5	4.4	Decreased, 2003-2013	No quadratic change	No change
QN34: Among students who reported current cigarette use, the percentage who smoked more than 10 cigarettes per day on the days they smoked during the past 30 days								
10.2	7.5	7.9	3.5	7.4	4.0	Decreased, 2003-2013	No quadratic change	Decreased

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Tobacco Use						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN35: Among students who were less than 18 years of age and who reported current cigarette use, the percentage who usually got their own cigarettes by buying them in a store or gas station during the past 30 days								
9.9	8.8	9.0	7.3	7.4	5.7	Decreased, 2003-2013	No quadratic change	No change
QN36: Percentage of students who smoked cigarettes on school property on one or more of the past 30 days								
6.6	5.8	4.8	4.9	3.2	2.8	Decreased, 2003-2013	No quadratic change	No change
QN37: Percentage of students who ever smoked cigarettes daily, that is, at least one cigarette every day for 30 days								
16.0	13.6	10.9	11.3	9.6	7.6	Decreased, 2003-2013	No quadratic change	Decreased
QN38: Among students who reported current cigarette use, the percentage who ever tried to quit smoking cigarettes during the past 12 months								
60.0	60.1	51.5	51.7	54.0	48.1	Decreased, 2003-2013	No quadratic change	No change
QN39: Percentage of students who used chewing tobacco, snuff, or dip on one or more of the past 30 days								
11.4	13.3	12.5	14.1	12.1	12.2	No linear change	No quadratic change	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Tobacco Use						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN40: Percentage of students who smoked cigars, cigarillos, or little cigars on one or more of the past 30 days								
13.4	17.1	15.1	17.5	15.8	15.6	No linear change	Increased, 2003-2009 No change, 2009-2013	No change
QNANYTOB: Percentage of students who smoked cigarettes or cigars or used chewing tobacco, snuff, or dip on one or more of the past 30 days								
28.5	29.4	27.7	29.1	25.4	24.8	Decreased, 2003-2013	No quadratic change	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Alcohol and Other Drug Use						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN41: Percentage of students who had at least one drink of alcohol on one or more days during their life								
80.5	77.5	77.5	75.2	72.6	70.6	Decreased, 2003-2013	No quadratic change	No change
QN42: Percentage of students who had their first drink of alcohol other than a few sips before age 13 years								
29.8	27.5	24.1	22.5	20.7	18.8	Decreased, 2003-2013	No quadratic change	No change
QN43: Percentage of students who had at least one drink of alcohol on one or more of the past 30 days								
49.2	48.1	46.0	41.6	37.6	37.4	Decreased, 2003-2013	No quadratic change	No change
QN44: Percentage of students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days								
36.4	33.8	31.8	29.3	24.6	23.0	Decreased, 2003-2013	No quadratic change	No change
QN46: Among students who reported current alcohol use, the percentage who usually got the alcohol they drank from someone who gave it to them during the past 30 days								
		40.9	38.8	35.3	37.7	No linear change	Not available [¶]	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Alcohol and Other Drug Use						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN47: Percentage of students who used marijuana one or more times during their life								
40.8	38.4	35.8	39.1	36.0	34.5	Decreased, 2003-2013	No quadratic change	No change
QN48: Percentage of students who tried marijuana for the first time before age 13 years								
7.9	8.1	7.0	6.3	5.8	5.2	Decreased, 2003-2013	No quadratic change	No change
QN49: Percentage of students who used marijuana one or more times during the past 30 days								
21.1	20.0	18.5	21.5	18.7	18.7	No linear change	No quadratic change	No change
QN50: Percentage of students who used any form of cocaine, including powder, crack, or freebase one or more times during their life								
7.6	8.2	6.7	5.9	5.2	5.4	Decreased, 2003-2013	No quadratic change	No change
QN51: Percentage of students who sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times during their life								
12.1	13.9	14.1	12.3	9.8	8.0	Decreased, 2003-2013	No change, 2003-2007 Decreased, 2007-2013	Decreased

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Alcohol and Other Drug Use						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN52: Percentage of students who used heroin one or more times during their life								
2.4	2.8	1.9	2.4	2.2	2.0	No linear change	No quadratic change	No change
QN53: Percentage of students who used methamphetamines one or more times during their life								
7.8	6.8	3.4	1.9	2.7	2.6	Decreased, 2003-2013	Decreased, 2003-2009 Increased, 2009-2013	No change
QN54: Percentage of students who used ecstasy one or more times during their life								
5.4	5.3	5.0	6.4	7.6	7.1	Increased, 2003-2013	No quadratic change	No change
QN55: Percentage of students who took steroid pills or shots without a doctor's prescription one or more times during their life								
3.9	3.8	2.6	3.0	2.4	2.1	Decreased, 2003-2013	No quadratic change	No change
QN56: Percentage of students who have taken a prescription drug (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax) without a doctor's prescription one or more times during their life								
				17.3	14.9	Decreased, 2011-2013	Not available [¶]	No change

*Non-Hispanic.

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[§]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Alcohol and Other Drug Use						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN57: Percentage of students who used a needle to inject any illegal drug into their body one or more times during their life								
2.0	2.7	1.6	2.8	1.8	1.9	No linear change	No quadratic change	No change
QN58: Percentage of students who were offered, sold, or given an illegal drug by someone on school property during the past 12 months								
25.9	24.6	24.3	20.0	24.0	22.2	Decreased, 2003-2013	No quadratic change	No change

*Non-Hispanic.

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[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Sexual Behaviors						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN59: Percentage of students who ever had sexual intercourse								
40.8	42.0	42.9	45.5	46.0	43.7	Increased, 2003-2013	No quadratic change	No change
QN60: Percentage of students who had sexual intercourse for the first time before age 13 years								
4.8	4.2	3.8	3.9	3.5	3.2	Decreased, 2003-2013	No quadratic change	No change
QN61: Percentage of students who had sexual intercourse with four or more people during their life								
11.9	11.7	12.0	14.1	13.6	12.9	No linear change	No quadratic change	No change
QN62: Percentage of students who had sexual intercourse with one or more people during the past three months								
28.1	30.1	29.3	31.3	33.2	32.9	Increased, 2003-2013	No quadratic change	No change
QN63: Among students who had sexual intercourse during the past three months, the percentage who drank alcohol or used drugs before last sexual intercourse								
32.9	28.2	24.8	24.9	20.3	20.3	Decreased, 2003-2013	No quadratic change	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Sexual Behaviors						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN64: Among students who had sexual intercourse during the past three months, the percentage who used a condom during last sexual intercourse								
59.8	61.9	65.5	66.6	63.4	62.8	No linear change	Increased, 2003-2007 No change, 2007-2013	No change
QN85: Percentage of students who had ever been taught in school about AIDS or HIV infection								
88.8	91.4	90.6	88.0	85.6	85.6	Decreased, 2003-2013	No quadratic change	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Weight Management and Dietary Behaviors						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNOWT: Percentage of students who were overweight (i.e., at or above the 85th percentile but below the 95th percentile for body mass index, by age and sex)								
11.4	12.1	12.7	11.4	12.6	12.0	No linear change	No quadratic change	No change
QNOBESE: Percentage of students who were obese (i.e., at or above the 95th percentile for body mass index, by age and sex)								
6.8	8.4	9.2	9.3	7.8	8.8	Increased, 2003-2013	Increased, 2003-2007 No change, 2007-2013	No change
QN66: Percentage of students who described themselves as slightly or very overweight								
29.7	30.4	28.2	28.0	25.4	26.4	Decreased, 2003-2013	No quadratic change	No change
QN67: Percentage of students who were trying to lose weight								
41.2	42.3	42.9	40.9	39.3	39.6	Decreased, 2003-2013	No quadratic change	No change
QN68: Percentage of students who went without eating for 24 hours or more to lose weight or to keep from gaining weight during the past 30 days								
10.7	11.3	10.8	9.2	11.9	10.6	No linear change	No quadratic change	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Weight Management and Dietary Behaviors						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN69: Percentage of students who took any diet pills, powders, or liquids without a doctor's advice to lose weight or to keep from gaining weight during the past 30 days								
5.8	5.4	6.0	4.9	4.3	4.8	Decreased, 2003-2013	No quadratic change	No change
QN70: Percentage of students who vomited or took laxatives to lose weight or to keep from gaining weight during the past 30 days								
5.5	5.5	5.2	5.2	4.3	3.7	Decreased, 2003-2013	No quadratic change	No change
QN71: Percentage of students who drank 100% fruit juices one or more times during the past seven days								
82.0	82.1	83.2	80.2	82.8	77.6	Decreased, 2003-2013	No change, 2003-2009 No change, 2009-2013	Decreased
QN72: Percentage of students who ate fruit one or more times during the past seven days								
87.9	87.9	89.4	88.4	90.6	91.8	Increased, 2003-2013	No quadratic change	No change
QN73: Percentage of students who ate green salad one or more times during the past seven days								
72.9	73.4	72.3	72.3	72.7	72.1	No linear change	No quadratic change	No change

*Non-Hispanic.

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[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Weight Management and Dietary Behaviors						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN74: Percentage of students who ate potatoes one or more times during the past seven days								
77.9	73.8	74.5	73.4	75.4	74.4	No linear change	Decreased, 2003-2007 No change, 2007-2013	No change
QN75: Percentage of students who ate carrots one or more times during the past seven days								
59.3	58.8	58.8	59.1	58.4	59.2	No linear change	No quadratic change	No change
QN76: Percentage of students who ate other vegetables one or more times during the past seven days								
86.3	86.3	86.6	85.4	87.3	87.8	No linear change	No quadratic change	No change
QNFRVG: Percentage of students who ate fruits and vegetables five or more times per day during the past seven days								
16.2	16.7	16.8	17.4	16.3	18.0	No linear change	No quadratic change	No change
QNFRUIT: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day during the past seven days								
27.0	26.1	27.1	26.7	26.8	28.3	No linear change	No quadratic change	No change

*Non-Hispanic.

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[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Weight Management and Dietary Behaviors						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNFR0: Percentage of students who ate fruits or drank 100% fruit juices 0 times per day during the past seven days								
4.9	5.2	4.4	5.1	3.4	3.8	Decreased, 2003-2013	No quadratic change	No change
QNFR1: Percentage of students who ate fruits or drank 100% fruit juices one or more times per day during the past seven days								
58.6	60.3	61.2	60.7	62.0	61.6	Increased, 2003-2013	No quadratic change	No change
QNFR3: Percentage of students who ate fruits or drank 100% fruit juices three or more times per day during the past seven days								
15.0	15.6	15.5	15.7	15.2	15.3	No linear change	No quadratic change	No change
QNVEG: Percentage of students who ate vegetables three or more times per day during the past seven days								
11.5	12.1	11.6	12.7	11.7	13.0	No linear change	No quadratic change	No change
QNVEG0: Percentage of students who ate vegetables 0 times per day during the past seven days								
2.8	3.3	3.3	4.0	2.7	3.4	No linear change	No quadratic change	No change

*Non-Hispanic.

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[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Weight Management and Dietary Behaviors						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNVEG1: Percentage of students who ate vegetables one or more times per day during the past seven days								
67.8	65.3	66.2	66.6	67.6	68.1	No linear change	No quadratic change	No change
QNVEG2: Percentage of students who ate vegetables two or more times per day during the past seven days								
27.0	27.4	26.7	29.5	28.8	30.0	Increased, 2003-2013	No quadratic change	No change
QNFRVG2: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day and ate vegetables three or more times per day during the past seven days								
7.4	7.9	8.0	8.1	7.7	9.3	No linear change	No quadratic change	Increased
QN77: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day during the past seven days								
		25.8	23.5	22.5	17.3	Decreased, 2007-2013	Not available [¶]	Decreased
QNSODA0: Percentage of students who drank a can, bottle, or glass of soda or pop 0 times per day during the past seven days								
		21.1	20.1	19.7	27.4	Increased, 2007-2013	Not available	Increased

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[‡]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Weight Management and Dietary Behaviors						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day during the past seven days								
		15.9	12.9	13.6	9.7	Decreased, 2007-2013	Not available [¶]	Decreased
QNSODA3: Percentage of students who drank a can, bottle, or glass of soda or pop three or more times per day during the past seven days								
		8.0	6.4	6.2	4.4	Decreased, 2007-2013	Not available	Decreased
QN79: Percentage of students who ate breakfast on all of the past seven days								
				40.7	42.8	No linear change	Not available	No change
QNNOBKFT: Percentage of students who ate breakfast on none of the past seven days								
				10.6	11.1	No linear change	Not available	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[‡]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Physical Activity						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN80: Percentage of students who were physically active for a total of at least 60 minutes per day on five or more of the past seven days								
	32.2	45.7	46.9	54.7	55.5	Increased, 2005-2013	Not available [¶]	No change
QNPA0DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 0 of the past seven days								
	24.5	12.7	12.2	9.4	10.5	Decreased, 2005-2013	Not available	No change
QNPA7DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 7 of the past seven days								
	14.6	21.6	21.9	28.6	27.5	Increased, 2005-2013	Not available	No change
QN81: Percentage of students who watched three or more hours per day of TV on an average school day								
24.4	25.3	20.9	22.2	21.2	21.1	Decreased, 2003-2013	No quadratic change	No change
QN82: Percentage of students who played video or computer games or used a computer for something that was not school work three or more hours per day on an average school day								
		15.5	16.0	20.1	28.3	Increased, 2007-2013	Not available	Increased

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[‡]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Physical Activity						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN83: Percentage of students who attended physical education (PE) classes on one or more days in an average week when they were in school								
54.3	56.7	53.3	56.0	56.0	53.0	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes daily in an average week when they were in school								
32.4	32.8	33.0	32.5	33.2	34.3	No linear change	No quadratic change	No change
QN84: Percentage of students who played on one or more sports teams during the past 12 months								
60.7	60.8	60.9	59.6	64.1	64.5	Increased, 2003-2013	No quadratic change	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Other	Health Risk Behavior and Percentages					Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
	2003	2005	2007	2009	2011	2013		
QN86: Percentage of students who had ever been told by a doctor or nurse that they had asthma	18.5	21.0	20.2	19.5	19.6	No linear change	Not available [¶]	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[§]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

White* Site-Added						Linear Change [†]	Quadratic Change [‡]	Change from 2011-2013 [§]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN89: Percentage of students whose property, such as their car, clothing, or books, had been stolen or deliberately damaged on school property one or more times during the past 12 months								
				28.8	26.0	No linear change	Not available [¶]	No change
QN92: Percentage of students who used chewing tobacco, snuff, or dip on school property on one or more of the past 30 days								
6.1	6.8	7.0	9.0	7.4	7.2	No linear change	No quadratic change	No change
QN93: Percentage of students who had at least one drink of alcohol on school property on one or more of the past 30 days								
5.8	5.8	5.2	4.9	3.1	5.1	Decreased, 2003-2013	No quadratic change	Increased
QN94: Percentage of students who used marijuana on school property one or more times during the past 30 days								
5.2	4.9	4.3	5.2	4.6	4.2	No linear change	No quadratic change	No change
QN99: Percentage of students who received help from a resource teacher, speech therapist, or other special education teacher at school during the past 12 months								
			11.1	10.9	10.9	No linear change	Not available	No change

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

[‡]Based on t-test analysis, $p < 0.05$.

[¶]Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN8: Among students who rode a bicycle during the past 12 months, the percentage who never or rarely wore a bicycle helmet								
				89.5	86.8	No linear change	Not available§	No change
QN9: Percentage of students who never or rarely wore a seat belt when riding in a car driven by someone else								
	19.6	21.3	22.9	17.5	17.0	No linear change	Not available	No change
QN10: Percentage of students who rode one or more times during the past 30 days in a car or other vehicle driven by someone who had been drinking alcohol								
	43.0	36.8	37.2	27.3	31.9	Decreased, 2005-2013	Not available	No change
QN13: Percentage of students who carried a weapon such as a gun, knife, or club on one or more of the past 30 days								
	18.9	26.6	33.1	28.9	28.8	Increased, 2005-2013	Not available	No change
QN14: Percentage of students who carried a gun on one or more of the past 30 days								
	3.7	10.2	18.2	10.4	11.2	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN15: Percentage of students who carried a weapon such as a gun, knife, or club on school property on one or more of the past 30 days								
	5.5	12.9	17.7	10.3	13.0	No linear change	Not available [§]	No change
QN16: Percentage of students who did not go to school on one or more of the past 30 days because they felt they would be unsafe at school or on their way to or from school								
	1.5	12.1	13.5	8.3	16.1	Increased, 2005-2013	Not available	Increased
QN17: Percentage of students who had been threatened or injured with a weapon such as a gun, knife, or club on school property one or more times during the past 12 months								
	11.7	15.7	20.7	14.6	13.6	No linear change	Not available	No change
QN18: Percentage of students who were in a physical fight one or more times during the past 12 months								
	36.2	40.6	46.2	37.6	32.3	No linear change	Not available	No change
QN19: Percentage of students who were in a physical fight one or more times during the past 12 months in which they were injured and had to be treated by a doctor or nurse								
	4.9	9.0	13.1	5.8	7.4	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN20: Percentage of students who were in a physical fight on school property one or more times during the past 12 months								
	13.1	18.9	23.3	14.7	15.0	No linear change	Not available [§]	No change
QN21: Percentage of students who had ever been physically forced to have sexual intercourse when they did not want to								
	9.3	16.8	26.1	13.5	18.5	No linear change	Not available	No change
QN24: Percentage of students who had ever been bullied on school property during the past 12 months								
			26.7	31.4	32.1	Increased, 2009-2013	Not available	No change
QN25: Percentage of students who had ever been electronically bullied during the past 12 months								
				27.9	25.8	No linear change	Not available	No change
QN26: Percentage of students who felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities during the past 12 months								
	34.9	36.5	39.0	31.1	35.8	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Injury and Violence						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN27: Percentage of students who seriously considered attempting suicide during the past 12 months						No linear change	Not available [§]	No change
	17.3	24.6	26.8	23.3	23.0			
QN28: Percentage of students who made a plan about how they would attempt suicide during the past 12 months						No linear change	Not available	No change
	15.3	18.3	27.1	18.7	19.6			
QN29: Percentage of students who actually attempted suicide one or more times during the past 12 months						No linear change	Not available	No change
	12.2	16.0	20.1	9.8	13.7			
QN30: Percentage of students who made a suicide attempt during the past 12 months that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse						No linear change	Not available	No change
	5.5	4.0	12.6	5.2	5.0			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN31: Percentage of students who ever tried cigarette smoking, even one or two puffs								
	70.3	61.5	62.8	53.1	53.3	Decreased, 2005-2013	Not available [§]	No change
QN32: Percentage of students who smoked a whole cigarette for the first time before age 13 years								
	20.5	24.6	27.0	14.1	19.9	No linear change	Not available	No change
QN33: Percentage of students who smoked cigarettes on one or more of the past 30 days								
	32.1	23.2	33.6	15.8	23.1	No linear change	Not available	Increased
QNFRDIG: Percentage of students who smoked cigarettes on 20 or more of the past 30 days								
	8.9	12.0	21.0	5.3	9.4	No linear change	Not available	No change
QN36: Percentage of students who smoked cigarettes on school property on one or more of the past 30 days								
	7.7	9.0	14.1	4.5	6.8	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Tobacco Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN37: Percentage of students who ever smoked cigarettes daily, that is, at least one cigarette every day for 30 days								
	22.7	19.3	27.5	15.6	14.6	Decreased, 2005-2013	Not available [§]	No change
QN39: Percentage of students who used chewing tobacco, snuff, or dip on one or more of the past 30 days								
	12.7	17.2	25.4	16.2	16.0	No linear change	Not available	No change
QN40: Percentage of students who smoked cigars, cigarillos, or little cigars on one or more of the past 30 days								
	22.3	24.7	28.5	18.1	20.0	No linear change	Not available	No change
QNANYTOB: Percentage of students who smoked cigarettes or cigars or used chewing tobacco, snuff, or dip on one or more of the past 30 days								
	45.7	34.8	45.5	26.9	29.8	Decreased, 2005-2013	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN41: Percentage of students who had at least one drink of alcohol on one or more days during their life								
	82.6	82.7	79.6	71.8	76.6	No linear change	Not available [§]	No change
QN42: Percentage of students who had their first drink of alcohol other than a few sips before age 13 years								
	33.5	35.6	35.7	28.4	26.8	Decreased, 2005-2013	Not available	No change
QN43: Percentage of students who had at least one drink of alcohol on one or more of the past 30 days								
	57.2	48.5	52.5	43.0	42.4	Decreased, 2005-2013	Not available	No change
QN44: Percentage of students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days								
	43.4	35.7	33.3	28.5	29.3	Decreased, 2005-2013	Not available	No change
QN47: Percentage of students who used marijuana one or more times during their life								
	55.3	48.5	53.9	46.0	50.0	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino

Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN48: Percentage of students who tried marijuana for the first time before age 13 years								
	20.6	18.6	23.1	13.8	18.6	No linear change	Not available [§]	No change
QN49: Percentage of students who used marijuana one or more times during the past 30 days								
	29.8	27.2	33.5	24.5	30.2	No linear change	Not available	No change
QN50: Percentage of students who used any form of cocaine, including powder, crack, or freebase one or more times during their life								
	16.7	15.7	17.8	10.6	13.4	No linear change	Not available	No change
QN51: Percentage of students who sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times during their life								
	21.7	26.5	27.7	19.1	21.4	No linear change	Not available	No change
QN52: Percentage of students who used heroin one or more times during their life								
	5.1	10.8	13.1	5.3	8.9	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN53: Percentage of students who used methamphetamines one or more times during their life								
	13.3	13.3	15.6	5.2	11.7	No linear change	Not available [§]	Increased
QN54: Percentage of students who used ecstasy one or more times during their life								
	11.2	15.7	19.6	12.2	16.1	No linear change	Not available	No change
QN55: Percentage of students who took steroid pills or shots without a doctor's prescription one or more times during their life								
	6.4	9.7	14.1	5.3	7.8	No linear change	Not available	No change
QN56: Percentage of students who have taken a prescription drug (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax) without a doctor's prescription one or more times during their life								
				23.6	23.0	No linear change	Not available	No change
QN57: Percentage of students who used a needle to inject any illegal drug into their body one or more times during their life								
	4.1	6.7	11.8	5.8	9.4	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino

Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN58: Percentage of students who were offered, sold, or given an illegal drug by someone on school property during the past 12 months								
	24.2	36.6	30.9	31.8	30.1	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Sexual Behaviors						Linear Change*	Quadratic Change*	Change from 2011-2013 [†]
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN59: Percentage of students who ever had sexual intercourse								
	48.8	53.3	61.6	53.6	54.1	No linear change	Not available [§]	No change
QN60: Percentage of students who had sexual intercourse for the first time before age 13 years								
	6.5	11.5	20.2	7.9	7.3	No linear change	Not available	No change
QN61: Percentage of students who had sexual intercourse with four or more people during their life								
	23.1	18.5	28.8	18.7	22.1	No linear change	Not available	No change
QN62: Percentage of students who had sexual intercourse with one or more people during the past three months								
	39.5	41.5	43.9	40.9	37.9	No linear change	Not available	No change
QN85: Percentage of students who had ever been taught in school about AIDS or HIV infection								
	87.5	83.1	78.5	79.3	79.5	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QNOWT: Percentage of students who were overweight (i.e., at or above the 85th percentile but below the 95th percentile for body mass index, by age and sex)								
	23.8	16.6	15.6	17.3	14.5	No linear change	Not available‡	No change
QNOBESE: Percentage of students who were obese (i.e., at or above the 95th percentile for body mass index, by age and sex)								
	6.8	11.0	10.2	10.8	11.8	No linear change	Not available	No change
QN66: Percentage of students who described themselves as slightly or very overweight								
	32.7	32.1	39.8	26.6	33.9	No linear change	Not available	Increased
QN67: Percentage of students who were trying to lose weight								
	46.8	46.5	43.7	42.5	44.4	No linear change	Not available	No change
QN68: Percentage of students who went without eating for 24 hours or more to lose weight or to keep from gaining weight during the past 30 days								
	14.2	14.4	14.6	13.1	17.3	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

‡Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN69: Percentage of students who took any diet pills, powders, or liquids without a doctor's advice to lose weight or to keep from gaining weight during the past 30 days								
	6.1	10.5	12.9	8.6	7.6	No linear change	Not available [§]	No change
QN70: Percentage of students who vomited or took laxatives to lose weight or to keep from gaining weight during the past 30 days								
	8.8	7.2	8.1	6.6	12.7	No linear change	Not available	Increased
QN71: Percentage of students who drank 100% fruit juices one or more times during the past seven days								
	78.5	78.4	71.1	81.9	78.7	No linear change	Not available	No change
QN72: Percentage of students who ate fruit one or more times during the past seven days								
	88.5	84.0	86.2	87.4	88.4	No linear change	Not available	No change
QN73: Percentage of students who ate green salad one or more times during the past seven days								
	64.8	65.0	76.0	66.1	64.5	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QN74: Percentage of students who ate potatoes one or more times during the past seven days								
	66.4	68.6	72.4	65.0	68.3	No linear change	Not available [§]	No change
QN75: Percentage of students who ate carrots one or more times during the past seven days								
	57.6	49.7	55.4	59.1	50.7	No linear change	Not available	No change
QN76: Percentage of students who ate other vegetables one or more times during the past seven days								
	83.3	82.4	81.0	85.3	81.3	No linear change	Not available	No change
QNFRVG: Percentage of students who ate fruits and vegetables five or more times per day during the past seven days								
	18.5	23.5	27.7	19.3	17.4	No linear change	Not available	No change
QNFRUIT: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day during the past seven days								
	27.3	28.1	33.6	31.0	25.7	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QNFR0: Percentage of students who ate fruits or drank 100% fruit juices 0 times per day during the past seven days								
	4.0	6.7	9.9	7.2	6.5	No linear change	Not available [§]	No change
QNFR1: Percentage of students who ate fruits or drank 100% fruit juices one or more times per day during the past seven days								
	60.7	55.3	64.0	60.1	60.2	No linear change	Not available	No change
QNFR3: Percentage of students who ate fruits or drank 100% fruit juices three or more times per day during the past seven days								
	14.2	19.4	24.5	20.9	16.6	No linear change	Not available	No change
QNVEG: Percentage of students who ate vegetables three or more times per day during the past seven days								
	12.7	14.3	19.5	13.2	14.0	No linear change	Not available	No change
QNVEG0: Percentage of students who ate vegetables 0 times per day during the past seven days								
	4.4	7.6	7.1	5.5	6.0	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QNVEG1: Percentage of students who ate vegetables one or more times per day during the past seven days								
	51.9	59.0	64.7	61.9	59.8	No linear change	Not available [§]	No change
QNVEG2: Percentage of students who ate vegetables two or more times per day during the past seven days								
	25.2	26.9	30.7	29.2	26.4	No linear change	Not available	No change
QNFRVG2: Percentage of students who ate fruits or drank 100% fruit juices two or more times per day and ate vegetables three or more times per day during the past seven days								
	10.3	8.3	13.1	8.4	8.4	No linear change	Not available	No change
QN77: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day during the past seven days								
		30.4	39.4	22.0	22.9	Decreased, 2007-2013	Not available	No change
QNSODA0: Percentage of students who drank a can, bottle, or glass of soda or pop 0 times per day during the past seven days								
		17.6	17.7	18.7	23.8	Increased, 2007-2013	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2011-2013 †
2003	2005	2007	2009	2011	2013			
QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day during the past seven days								
		22.9	29.1	13.5	15.4	Decreased, 2007-2013	Not available [§]	No change
QNSODA3: Percentage of students who drank a can, bottle, or glass of soda or pop three or more times per day during the past seven days								
		13.0	19.6	8.5	8.9	Decreased, 2007-2013	Not available	No change
QN79: Percentage of students who ate breakfast on all of the past seven days								
				37.1	29.2	Decreased, 2011-2013	Not available	No change
QNNOBKFT: Percentage of students who ate breakfast on none of the past seven days								
				16.3	14.7	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Physical Activity						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN80: Percentage of students who were physically active for a total of at least 60 minutes per day on five or more of the past seven days								
	30.1	40.8	38.0	54.0	50.7	Increased, 2005-2013	Not available§	No change
QNPA0DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 0 of the past seven days								
	29.9	16.3	20.8	16.1	13.5	Decreased, 2005-2013	Not available	No change
QNPA7DAY: Percentage of students who were physically active for a total of at least 60 minutes per day on 7 of the past seven days								
	9.5	17.0	18.1	32.0	29.3	Increased, 2005-2013	Not available	No change
QN81: Percentage of students who watched three or more hours per day of TV on an average school day								
	31.8	28.9	27.3	24.4	27.4	No linear change	Not available	No change
QN82: Percentage of students who played video or computer games or used a computer for something that was not school work three or more hours per day on an average school day								
		21.7	25.8	23.1	37.5	Increased, 2007-2013	Not available	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Physical Activity						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN83: Percentage of students who attended physical education (PE) classes on one or more days in an average week when they were in school								
	68.1	51.7	59.9	66.1	60.2	No linear change	Not available§	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes daily in an average week when they were in school								
	35.7	29.4	30.9	35.2	35.1	No linear change	Not available	No change
QN84: Percentage of students who played on one or more sports teams during the past 12 months								
	60.8	53.8	54.8	62.1	53.1	No linear change	Not available	Decreased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Other	Health Risk Behavior and Percentages					Linear Change*	Quadratic Change*	Change from 2011-2013 †
	2003	2005	2007	2009	2011	2013		
QN86: Percentage of students who had ever been told by a doctor or nurse that they had asthma								
	29.5	31.2	26.5	25.6	28.2	No linear change	Not available [§]	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey 10-year Trend Analysis Report

Hispanic/Latino Site-Added						Linear Change*	Quadratic Change*	Change from 2011-2013 †
Health Risk Behavior and Percentages								
2003	2005	2007	2009	2011	2013			
QN89: Percentage of students whose property, such as their car, clothing, or books, had been stolen or deliberately damaged on school property one or more times during the past 12 months								
				31.9	31.6	No linear change	Not available [§]	No change
QN92: Percentage of students who used chewing tobacco, snuff, or dip on school property on one or more of the past 30 days								
	4.2	10.5	18.5	10.5	12.3	No linear change	Not available	No change
QN93: Percentage of students who had at least one drink of alcohol on school property on one or more of the past 30 days								
	12.7	8.6	16.4	6.3	9.7	No linear change	Not available	No change
QN94: Percentage of students who used marijuana on school property one or more times during the past 30 days								
	9.6	8.1	18.2	5.5	10.0	No linear change	Not available	No change
QN99: Percentage of students who received help from a resource teacher, speech therapist, or other special education teacher at school during the past 12 months								
			22.4	16.2	18.3	No linear change	Not available	No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.

†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.